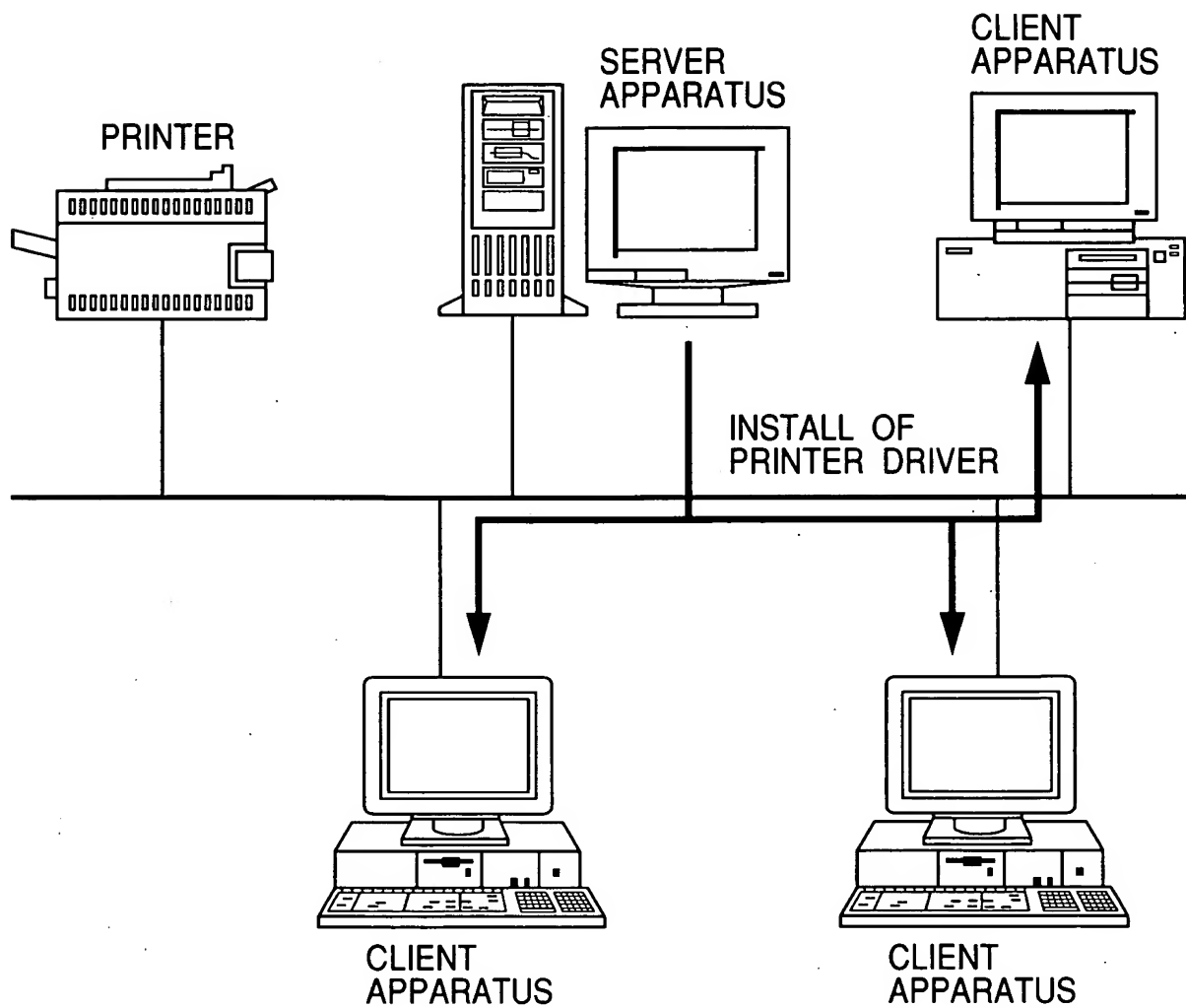


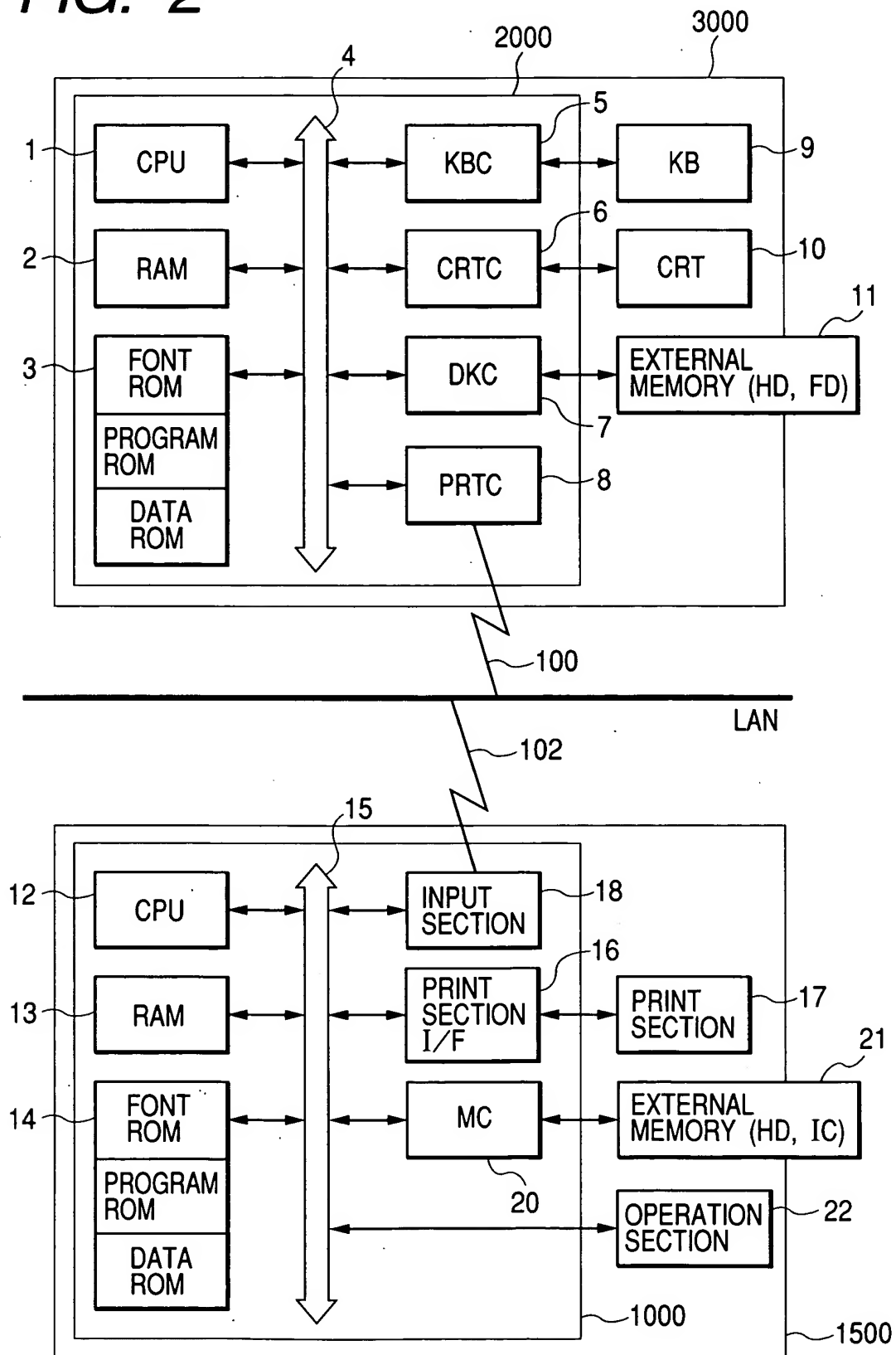
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FIG. 1



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FIG. 2



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FIG. 3A

SERVER APPARATUS

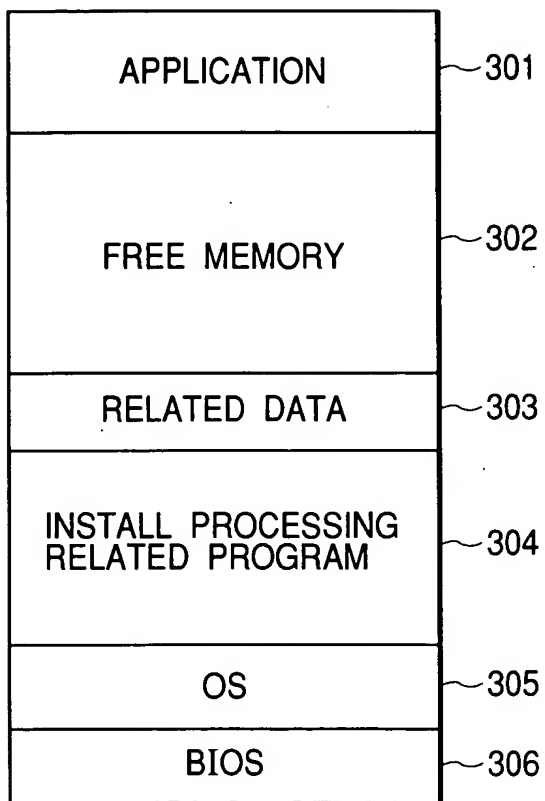
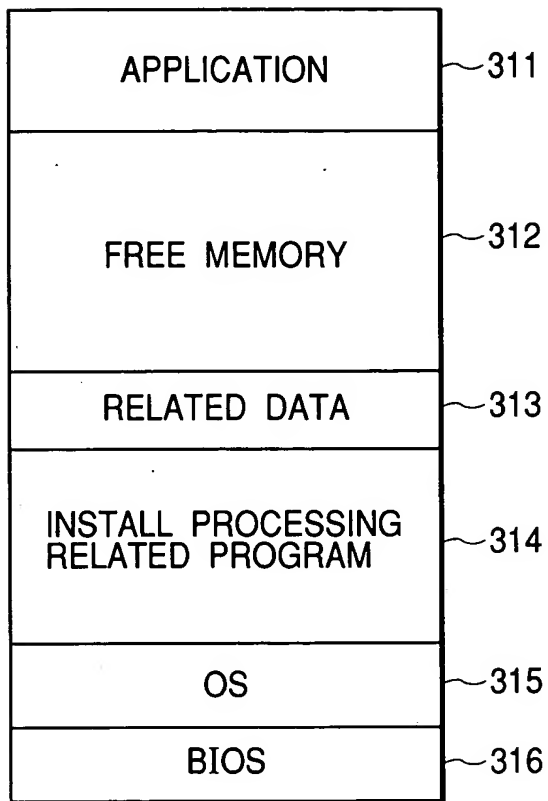


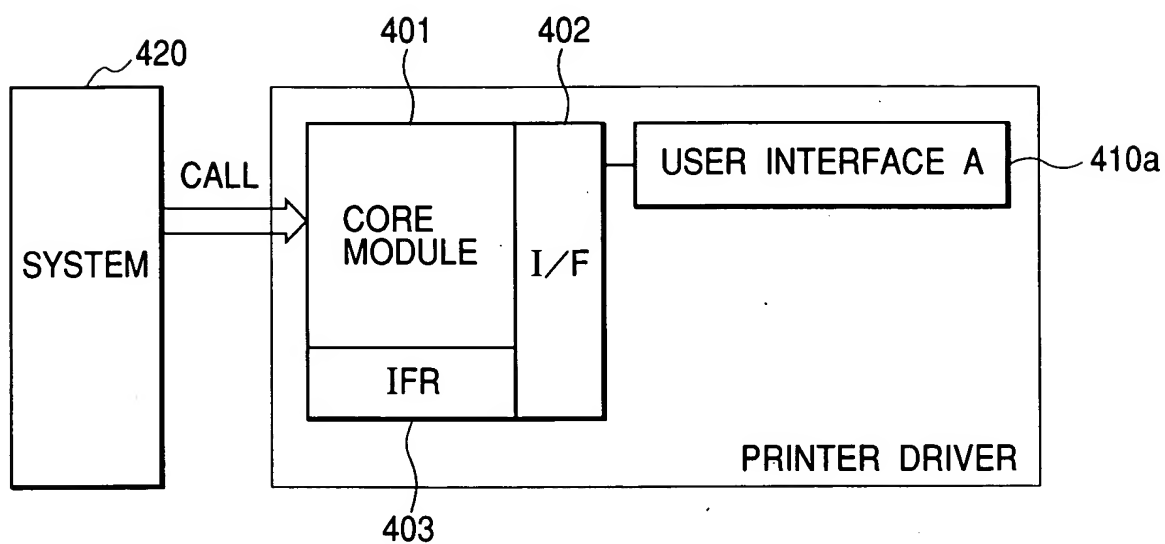
FIG. 3B

CLIENT APPARATUS



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FIG. 4



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FIG. 5A

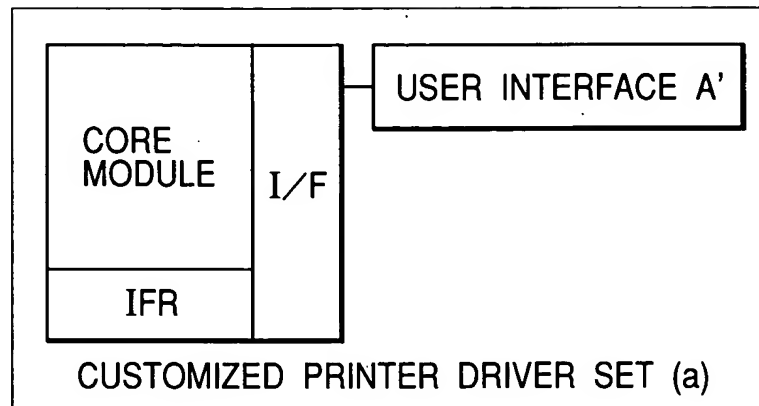
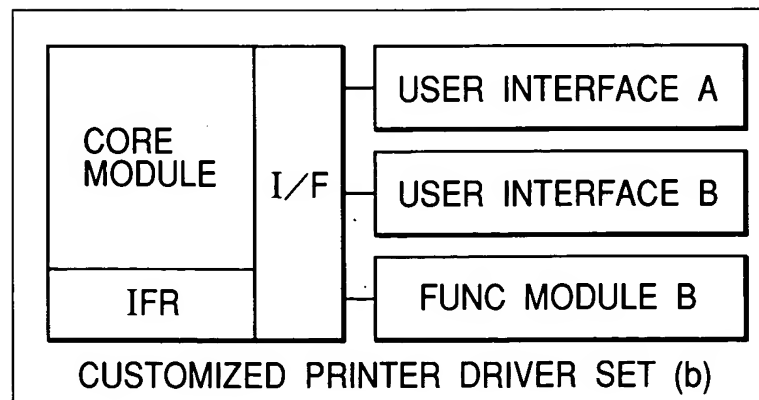
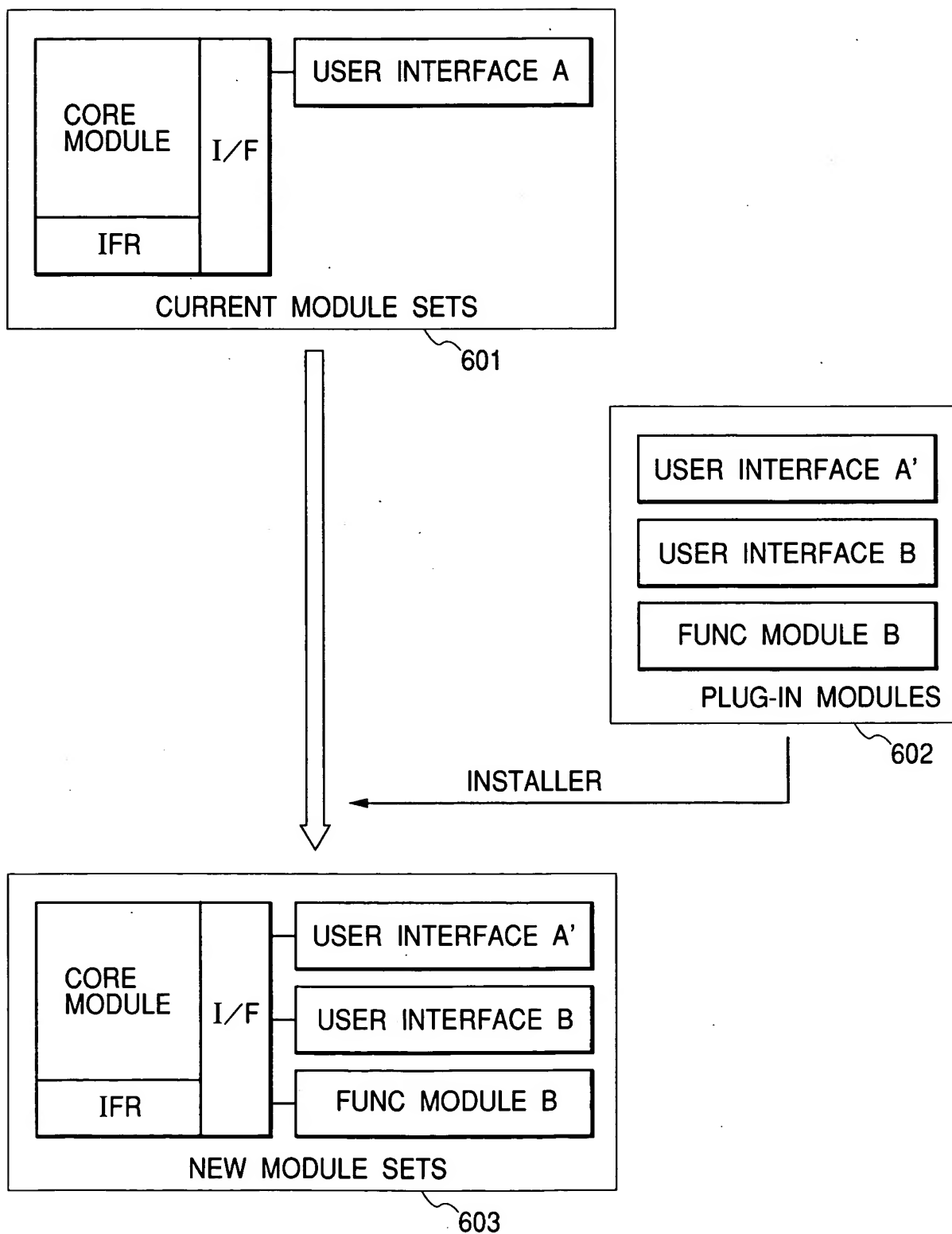


FIG. 5B



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FIG. 6



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FIG. 7

PRINTER SAMPLE PRINTING PREFERENCES

PAGE SETUP FINISHING PAPER SOURCE QUALITY

FAVORITE (F): DEFAULT SETTINGS PRINT

PAGE SIZE (S): A4

OUTPUT SIZE (Z): MATCH PAGE SIZE

COPIES (C): 1 (1 TO 2000)

ORIENTATION (T): ☒ PORTRAIT ☐ LANDSCAPE

PAGE LAYOUT (L): 1 PAGE PER SHEET (DEFAULT)

☐ MANUAL SCALING (M): 100 % (50 TO 200)

☐ WATERMARK (W): CONFIDENTIAL

EDIT WATERMARK (I)...

A4 (SCALING AUTO)

VIEW SETTING (V)

PAGE OPTIONS (N)... RESTORE DEFAULTS (R)

OK CANCEL APPLY (A) HELP

FIG. 8

PRINTER SAMPLE PRINTING PREFERENCES

PAGE SETUP FINISHING PAPER SOURCE QUALITY

FAVORITE (F): DEFAULT SETTINGS PRINT

PAGE SIZE (S): A4

OUTPUT SIZE (Z): MATCH PAGE SIZE

COPIES (C): 1 (1 TO 2000)

ORIENTATION (T): ☒ PORTRAIT ☐ LANDSCAPE

PAGE LAYOUT (L): 1 PAGE PER SHEET (DEFAULT)

☐ MANUAL SCALING (M): 100 % (50 TO 200)

A4 (SCALING AUTO)

VIEW SETTING (V)

PAGE OPTIONS (N)... RESTORE DEFAULTS (R)

OK CANCEL APPLY (A) HELP

FIG. 9

PRINTER SAMPLE PRINTING PREFERENCES

PAGE SETUP
FINISHING
PAPER SOURCE
QUALITY

FAVORITE (F):

DEFAULT SETTINGS

PRINT

A4 (SCALING AUTO)

VIEW SETTING (V)

PAGE SIZE (S):

A4

OUTPUT SIZE (Z):

MATCH PAGE SIZE

COPIES (C):

1
(1 TO 2000)

ORIENTATION (I):

☒ PORTRAIT
☐ LANDSCAPE

PAGE LAYOUT (L):

1 PAGE PER SHEET (DEFAULT)

PRINTING METHOD (Y):

☒ SINGLE-SIDED PRINTING
☐ DOUBLE-SIDED PRINTING
☐ BOOKBINDING PRINTING

DETAILS OF BOOKBINDING (K)...

PAGE OPTIONS (N)...
RESTORE DEFAULTS (R)

OK
CANCEL
APPLY (A)
HELP

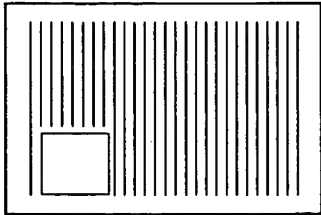
INVENTOR: TOMONORI MINAGAWA
 TITLE: INFORMATION PROCESSING
 APPARATUS ETC.
 Sheet 9 of 38
 Docket No.: 03500.017922

FITZPATRICK, CELLA, HARPER & SCINTO
 30 ROCKEFELLER PLAZA
 NEW YORK, NEW YORK 10112
 212-218-2100

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		PRINTER SAMPLE PRINTING PREFERENCES		?
PAGE SETUP	FINISHING	PAPER SOURCE	QUALITY	
PROFILE:		DEFAULT SETTINGS ▼		PRINT
<div> </div>		<div> LETTER </div>		
MATCH PAGE SIZE		<div> <input type="text" value="1"/> <input type="button" value="+"/> <input type="button" value="-"/> (1 TO 2000) </div>		
COPIES:		<div> <input type="text" value="A"/> <input =""="" checked="" type="radio"/> PORTRAIT </div>		
ORIENTATION:		<div> <input type="text" value="A"/> <input type="radio"/> LANDSCAPE </div>		
PAGE LAYOUT:		<div> <input type="text" value="1"/> PAGE PER SHEET </div>		
<input type="checkbox"/> MANUAL SCALING:		<div> <input type="text" value="100"/> <input type="button" value="+"/> <input type="button" value="-"/> % (25 TO 400) </div>		
<input type="checkbox"/> WATERMARK:		<div> <input type="text" value="CONFIDENTIAL"/> </div>		
VIEW SETTINGS		<div> EDIT WATERMARK </div>		
		<div> <input type="text" value="RESTORE DEFAULTS"/> </div>		
		<div> <input type="text" value="PAGE OPTIONS..."/> </div>		
		<div> <input type="text" value="APPLY (A)"/> </div>		
		<div> <input type="text" value="HELP"/> </div>		

FIG. 11

PRINTER SAMPLE PRINTING PREFERENCES			
BASIC SETTING PAGE SETUP PAGE PROCESSING FAVORITE (Q): [icon] DEFAULT SETTINGS ▼	ADD (D) EDIT (I)	<div style="float: right; text-align: right;">[?] [X]</div> <hr/> <div style="float: right; text-align: right;">[info icon]</div> <div style="clear: both;"></div> <p>PAGE SIZE (S): A4</p> <p>PAPER FEEDING METHOD (M): AUTO</p> <hr/> <p>QUALITY:</p> <div style="margin-left: 40px;"> <input type="radio"/> FINE (H) <input checked="" type="radio"/> STANDARD (N) <input type="radio"/> FAST (T) <input type="radio"/> CUSTOM (U) </div> <div style="text-align: center; margin-top: -20px;">a</div> <div style="text-align: right; border: 1px solid black; padding: 2px; width: fit-content;">SETTING (S)</div> <hr/> <p><input type="checkbox"/> DISPLAY PREVIEW SCREEN AT THE TIME OF PRINTING (W):</p>	
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;">  </div> <div style="width: 50%; border: 1px solid gray; padding: 10px; background-color: #f0f0f0;"> <div style="display: flex; align-items: center;"> <input type="checkbox"/> <div style="margin-left: 10px;"> A4 PRINT IN THE CENTER: NO SCALING: AUTO </div> </div> </div> </div>			
<div style="display: flex; justify-content: space-between;"> PRINTER INFORMATION (B)... VERSION INFORMATION (B) RESTORE DEFAULTS (E) </div>			
<div style="display: flex; justify-content: space-around; margin-top: 20px;"> [OK] CANCEL APPLY (A) HELP </div>			

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FIG. 12

PRINTER SAMPLE PRINTER PREFERENCES

PAGE SETUP | FINISHING | PAPER SOURCE | QUALITY

FAVORITE (F): DEFAULT SETTINGS PRINT

PAGE SIZE (S): A4 MATCH PAGE SIZE

OUTPUT SIZE (Z): 1 (1 TO 2000)

COPIES (C): 1 (1 TO 2000)

ORIENTATION (I): ☐ A ☒ PORTRAIT ☐ LANDSCAPE

PAGE LAYOUT (L): 1 PAGE PER SHEET (DEFAULT)

☐ MANUAL SCALING (M): 100 % (50 TO 200)

☐ WATERMARK (W): CONFIDENTIAL

VIEW SETTING (V): EDIT WATERMARK (I)...

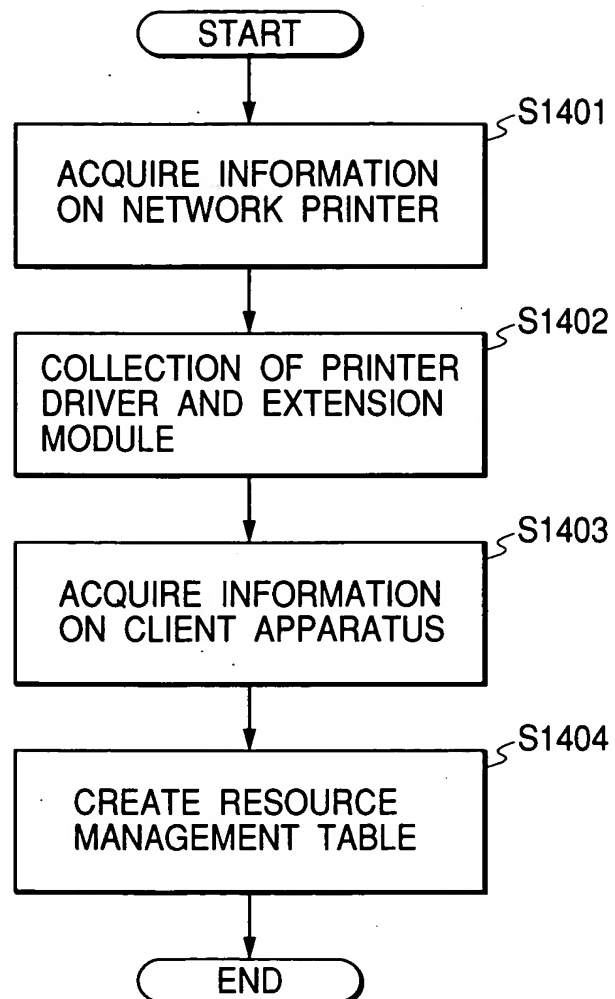
LETTER (SCALING AUTO)

PAGE OPTIONS (N)... RESTORE DEFAULTS (R)

OK CANCEL APPLY (A) HELP

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FIG. 14



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FIG. 15

PRINTER NAME	PRINTER DRIVER FILE	IP ADDRESS
PRINTER A	xxxx.dll, xxxx.dll, ...	1xx.xxx.xxx.044
PRINTER B	xxxx.dll, xxxx.dll, ...	1xx.xxx.xxx.128
PRINTER C	xxxx.dll, xxxx.dll, ...	1xx.xxx.xxx.221

EXT MODULE NAME	MODULE FILE
USER INTERFACE D	xxxx.dll
USER INTERFACE E	xxxx.dll
USER INTERFACE F	xxxx.dll
FUNC MODULE M	xxxx.dll

CLIENT NAME	IP ADDRESS
CLIENT A	IP_1xx.xxx.xxx.169
CLIENT B	IP_1xx.xxx.xxx.154
CLIENT C	IP_1xx.xxx.xxx.241
CLIENT D	IP_1xx.xxx.xxx.035
CLIENT E	IP_1xx.xxx.xxx.223

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FIG. 16

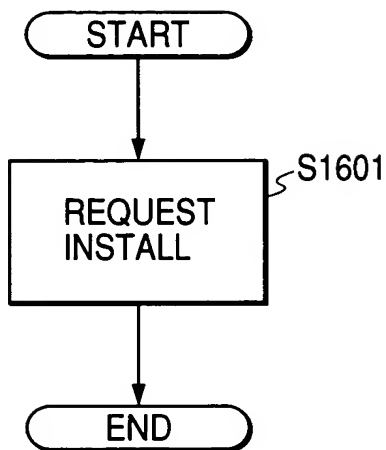
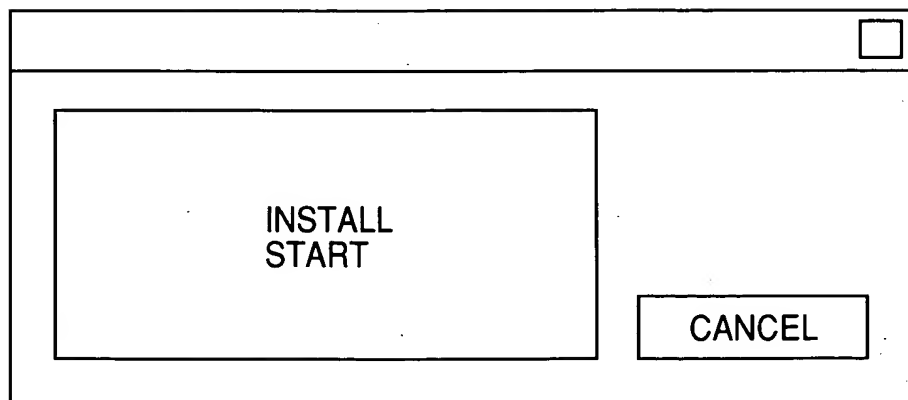


FIG. 17



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FIG. 18

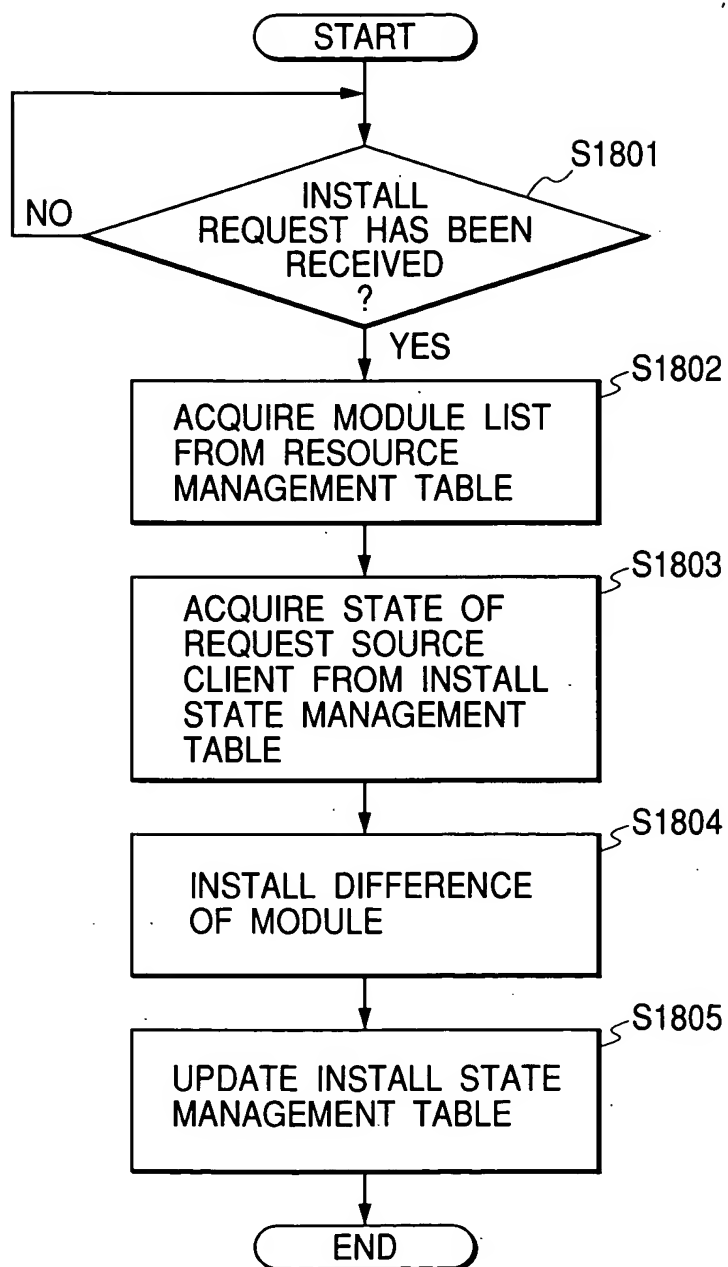


FIG. 19

CLIENT	PRINTERS	EXT MODULE	INSTALL DIFFERENCE	
CLIENT A	PRINTER A PRINTER B PRINTER C	USER INTERFACE D FUNC MODULE M	<- PRINTER C	<- USER INTERFACE D
CLIENT B	PRINTER A PRINTER B	FUNC MODULE M		
CLIENT C			<- ALL	<- ALL
: :	: :	: :		

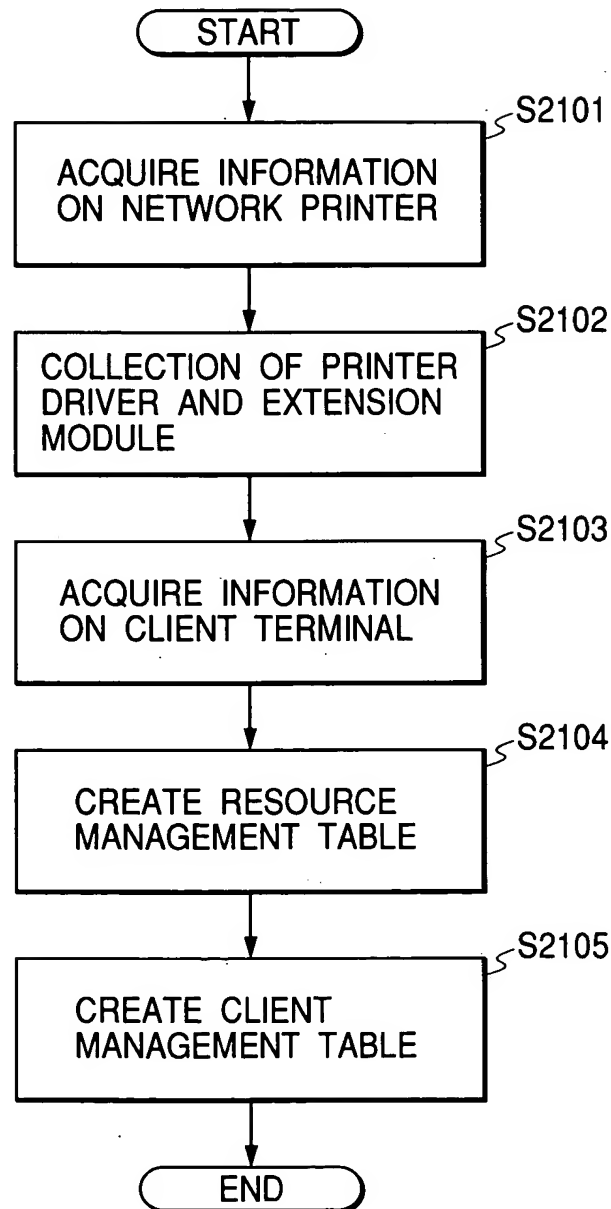
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FIG. 20

CLIENT	PRINTERS	EXT MODULE
CLIENT A	PRINTER A PRINTER B PRINTER C	USER INTERFACE D FUNC MODULE M
CLIENT B	PRINTER A PRINTER B PRINTER C	USER INTERFACE D FUNC MODULE M
CLIENT C	PRINTER A PRINTER B PRINTER C	USER INTERFACE D FUNC MODULE M
⋮	⋮	⋮

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FIG. 21



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FIG. 22

CLIENT	PRINTERS	EXT MODULE
CLIENT A	PRINTER A	
CLIENT B	PRINTER A PRINTER B	USER INTERFACE E
CLIENT C	PRINTER A PRINTER B PRINTER C	USER INTERFACE D FUNC MODULE M
CLIENT D	PRINTER B	USER INTERFACE E
CLIENT E	PRINTER C	USER INTERFACE F

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FIG. 23

CLIENT	PRINTERS	EXT MODULE	INSTALL DIFFERENCE	
CLIENT A	PRINTER A			
CLIENT B	PRINTER A PRINTER B	FUNC MODULE E		
CLIENT C	PRINTER A	FUNC MODULE M	<- PRINTER B <- PRINTER C	<- USER INTERFACE D
CLIENT D			<- PRINTER B	<- USER INTERFACE E
CLIENT E	PRINTER C	USER INTERFACE F		

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FIG. 24

☐ ☐ ☐

CLIENTS:

- CLIENT A (IP_1xx.xxx.xxx.169)
- CLIENT B (IP_1xx.xxx.xxx.154)**
- CLIENT C (IP_1xx.xxx.xxx.241)
- CLIENT D (IP_1xx.xxx.xxx.035)
- CLIENT E (IP_1xx.xxx.xxx.223)

PRINTERS:

- ☒ PRINTER A (IP_1xx.xxx.xxx.044)
- ☒ PRINTER B (IP_1xx.xxx.xxx.128)
- ☐ PRINTER C (IP_1xx.xxx.xxx.221)

FUNCTIONS:

- USER INTERFACE D
- USER INTERFACE E**
- USER INTERFACE F

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FIG. 25

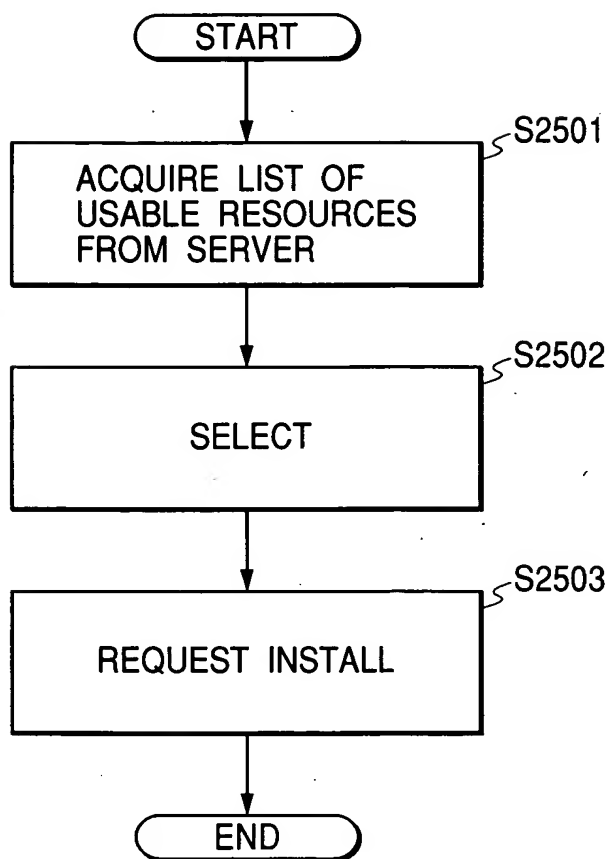


FIG. 26

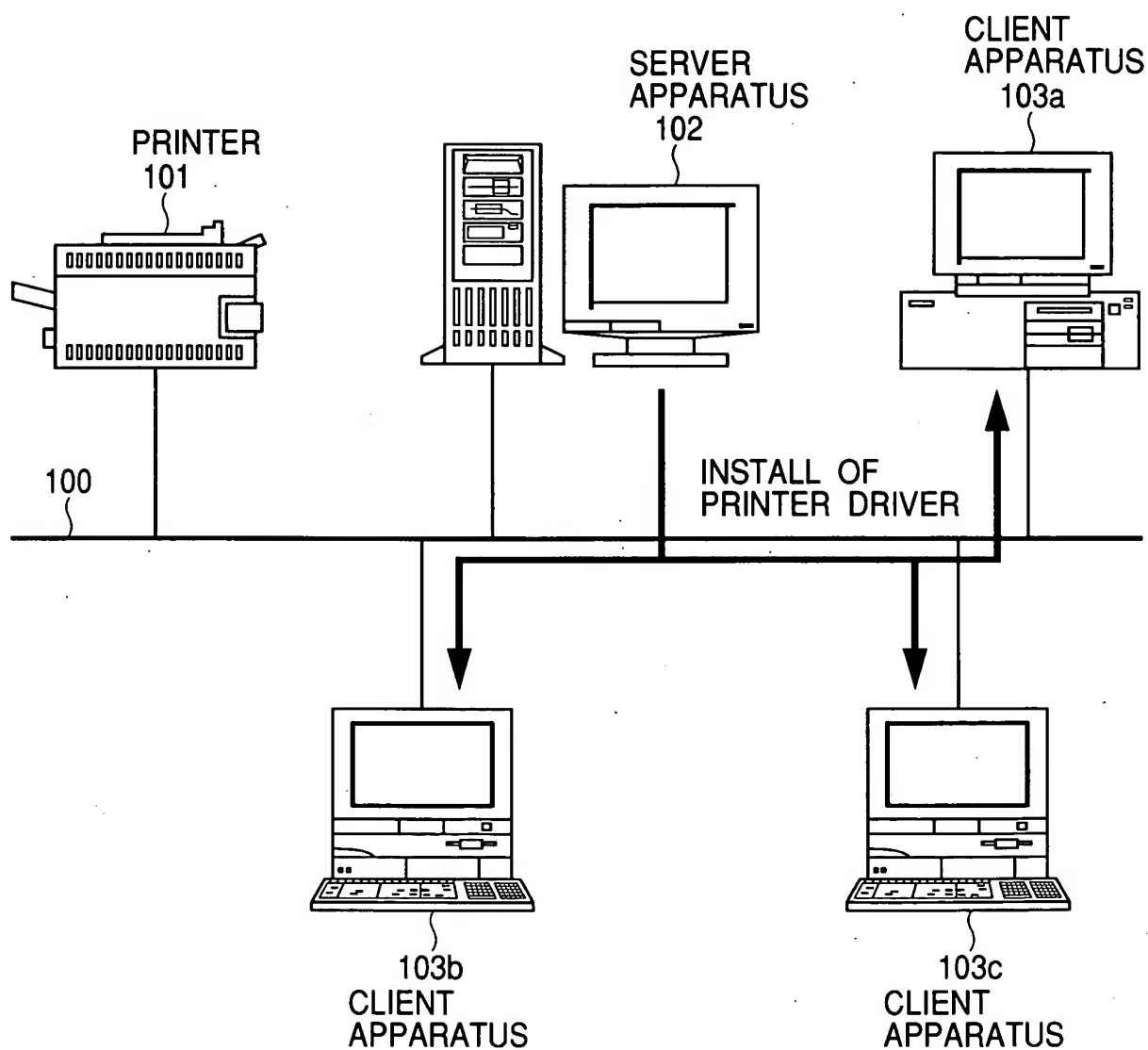
PRINTERS:		FUNCTIONS:	
PRINTER A (IP_1xx.xxx.xxx.044)		USER INTERFACE D	
PRINTER B (IP_1xx.xxx.xxx.128)		USER INTERFACE E	
PRINTER C (IP_1xx.xxx.xxx.221)		USER INTERFACE F	

INSTALL

CLOSE

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FIG. 27



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FIG. 28

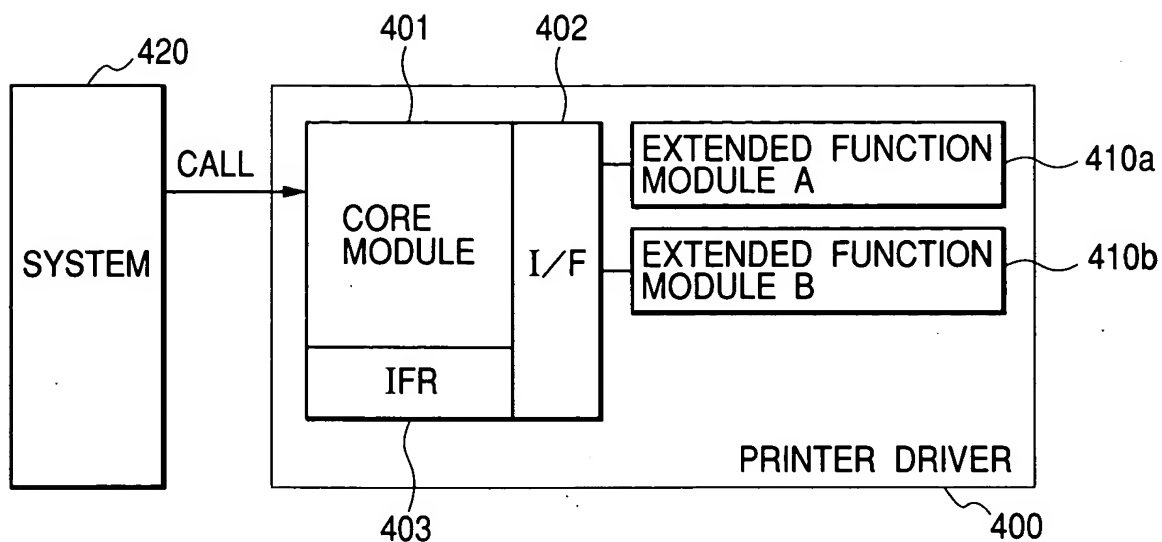
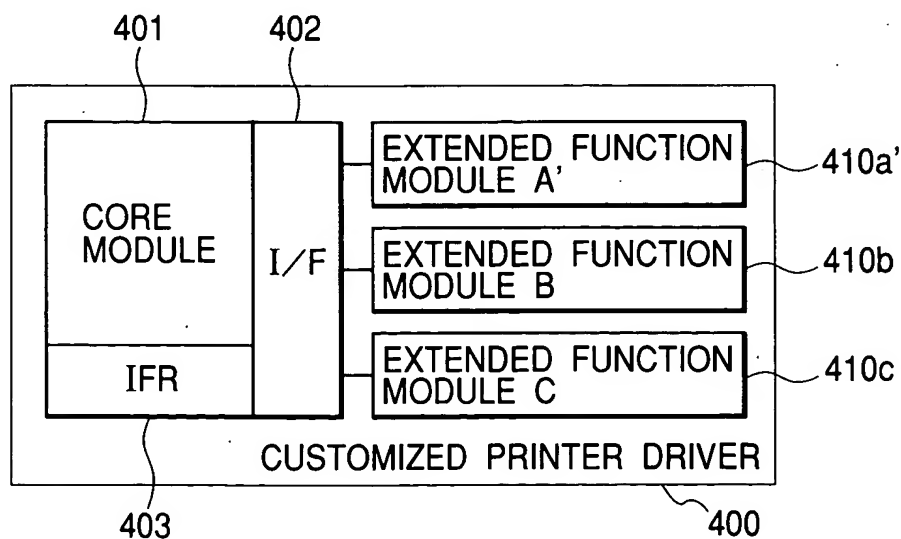
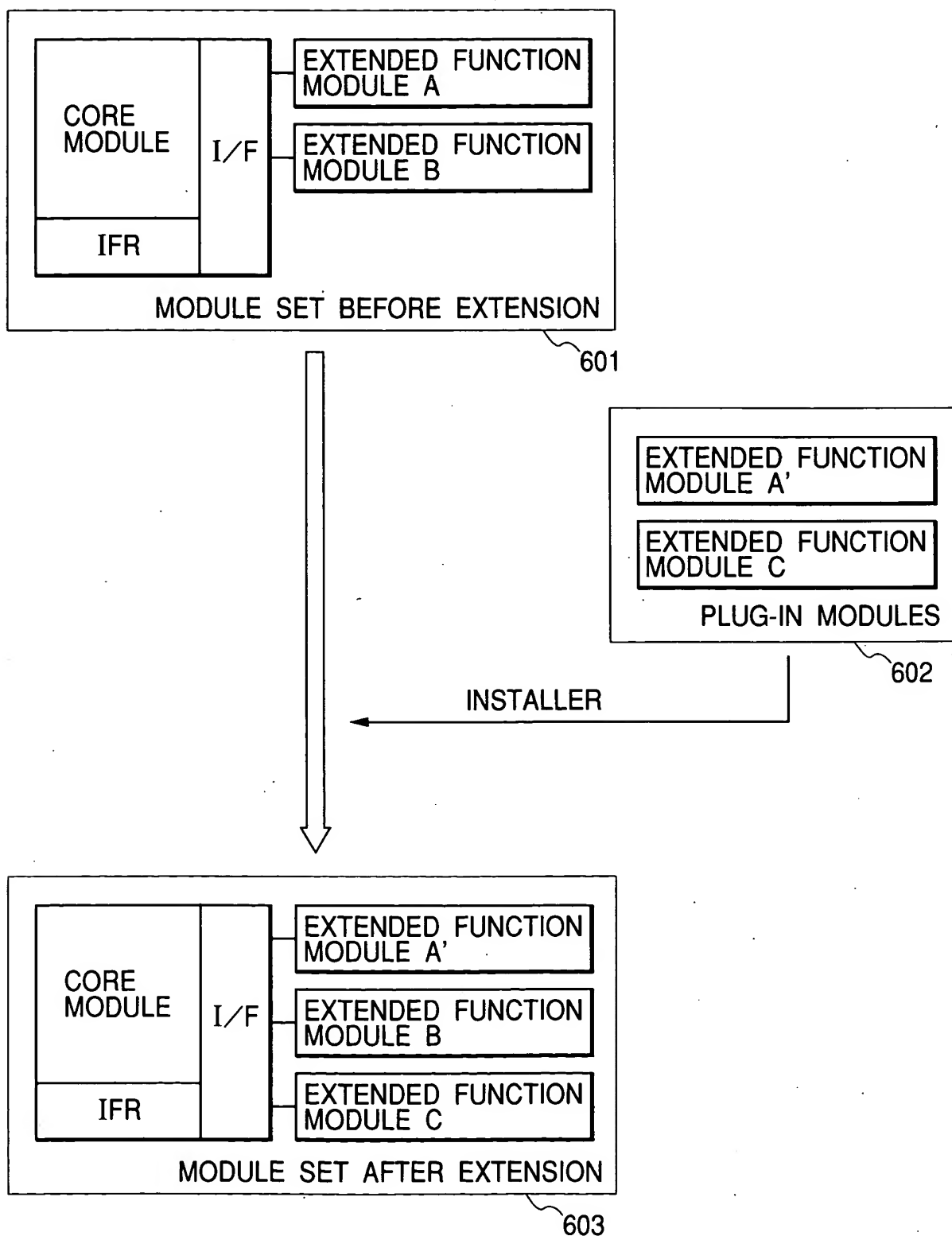


FIG. 29



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FIG. 30



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FIG. 31

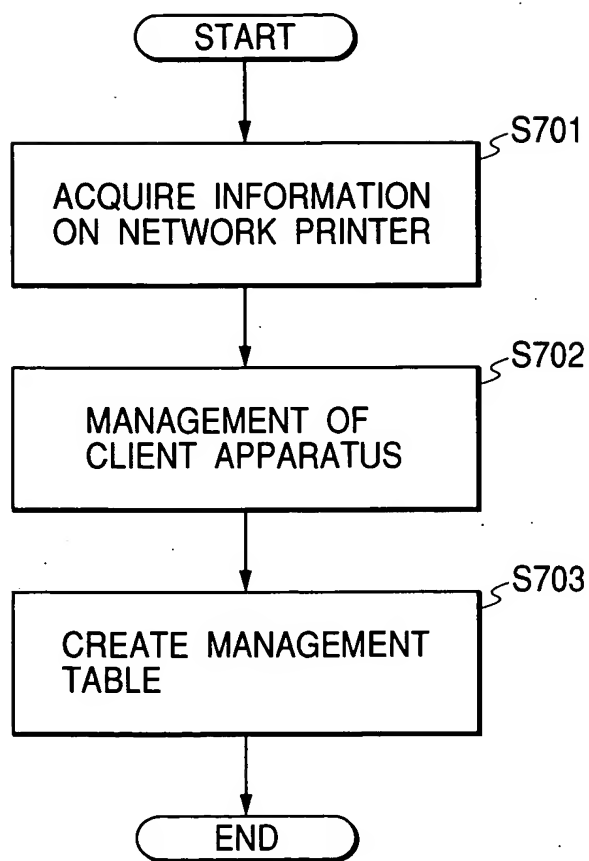


FIG. 32

801

CLIENT	PRINTER	FUNCTION
CLIENT A	PRINTER A	EXTENDED FUNCTION MODULE D
CLIENT B	PRINTER A PRINTER B	EXTENDED FUNCTION MODULE E
CLIENT C	PRINTER A PRINTER B PRINTER C	EXTENDED FUNCTION MODULE D EXTENDED FUNCTION MODULE E
CLIENT D	PRINTER B	EXTENDED FUNCTION MODULE E EXTENDED FUNCTION MODULE F
CLIENT E	PRINTER C	

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FIG. 33

☐ ☐ ☐

CLIENT:

CLIENT A (IP_1xx.xxx.xxx.169)

CLIENT B (IP_1xx.xxx.xxx.154)

CLIENT C (IP_1xx.xxx.xxx.241)

CLIENT D (IP_1xx.xxx.xxx.035)

CLIENT E (IP_1xx.xxx.xxx.223)

PRINTER:

☒ PRINTER A (IP_1xx.xxx.xxx.044)

☒ PRINTER B (IP_1xx.xxx.xxx.128)

☐ PRINTER C (IP_1xx.xxx.xxx.221)

FUNCTION:

☐ EXTENDED FUNCTION MODULE D

☒ EXTENDED FUNCTION MODULE E

☐ EXTENDED FUNCTION MODULE F

ADD CLIENT OK CANCEL

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FIG. 34

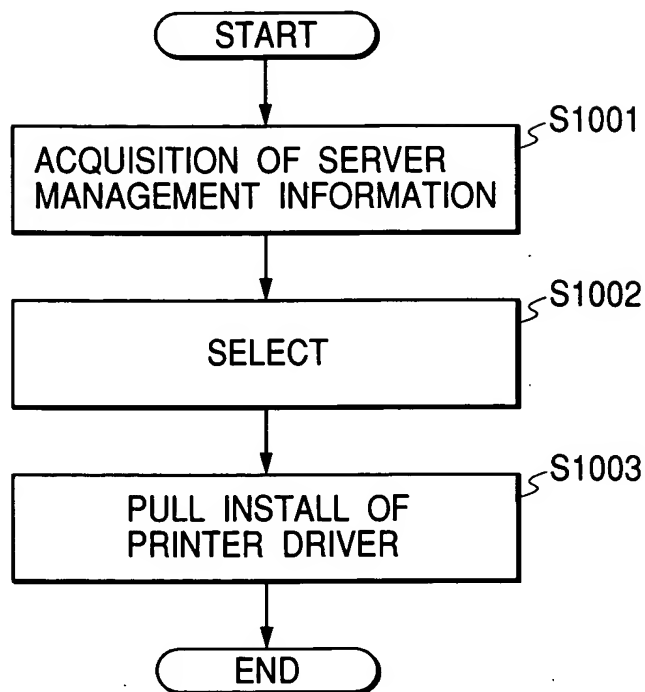
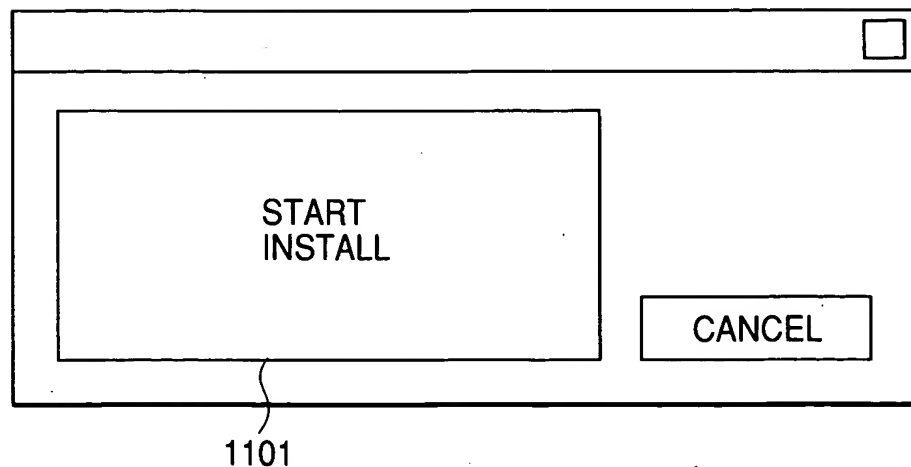


FIG. 35



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FIG. 36

1200

☐ ☐ ☐ ☐

CLIENT:

CLIENT A (IP_1xx.xxx.xxx.169)

CLIENT B (IP_1xx.xxx.xxx.154)

CLIENT C (IP_1xx.xxx.xxx.241)

CLIENT D (IP_1xx.xxx.xxx.035)

CLIENT E (IP_1xx.xxx.xxx.223)

1201

PRINTER AND FUNCTION:

☒ PRINTER A (IP_1xx.xxx.xxx.044)

☐ EXTENDED FUNCTION MODULE D

☒ EXTENDED FUNCTION MODULE E

☒ PRINTER B (IP_1xx.xxx.xxx.128)

☒ EXTENDED FUNCTION MODULE D

☐ EXTENDED FUNCTION MODULE E

☒ EXTENDED FUNCTION MODULE F

☐ PRINTER C (IP_1xx.xxx.xxx.221)

☐ EXTENDED FUNCTION MODULE E

1202

ADD CLIENT

OK

CANCEL

FIG. 37

☐

☐☐☐☐

PRINTER:

PRINTER A (IP_1xx.xxx.xxx.044)

PRINTER B (IP_1xx.xxx.xxx.128)

PRINTER C (IP_1xx.xxx.xxx.221)

FUNCTION:

EXTENDED FUNCTION MODULE D

EXTENDED FUNCTION MODULE E

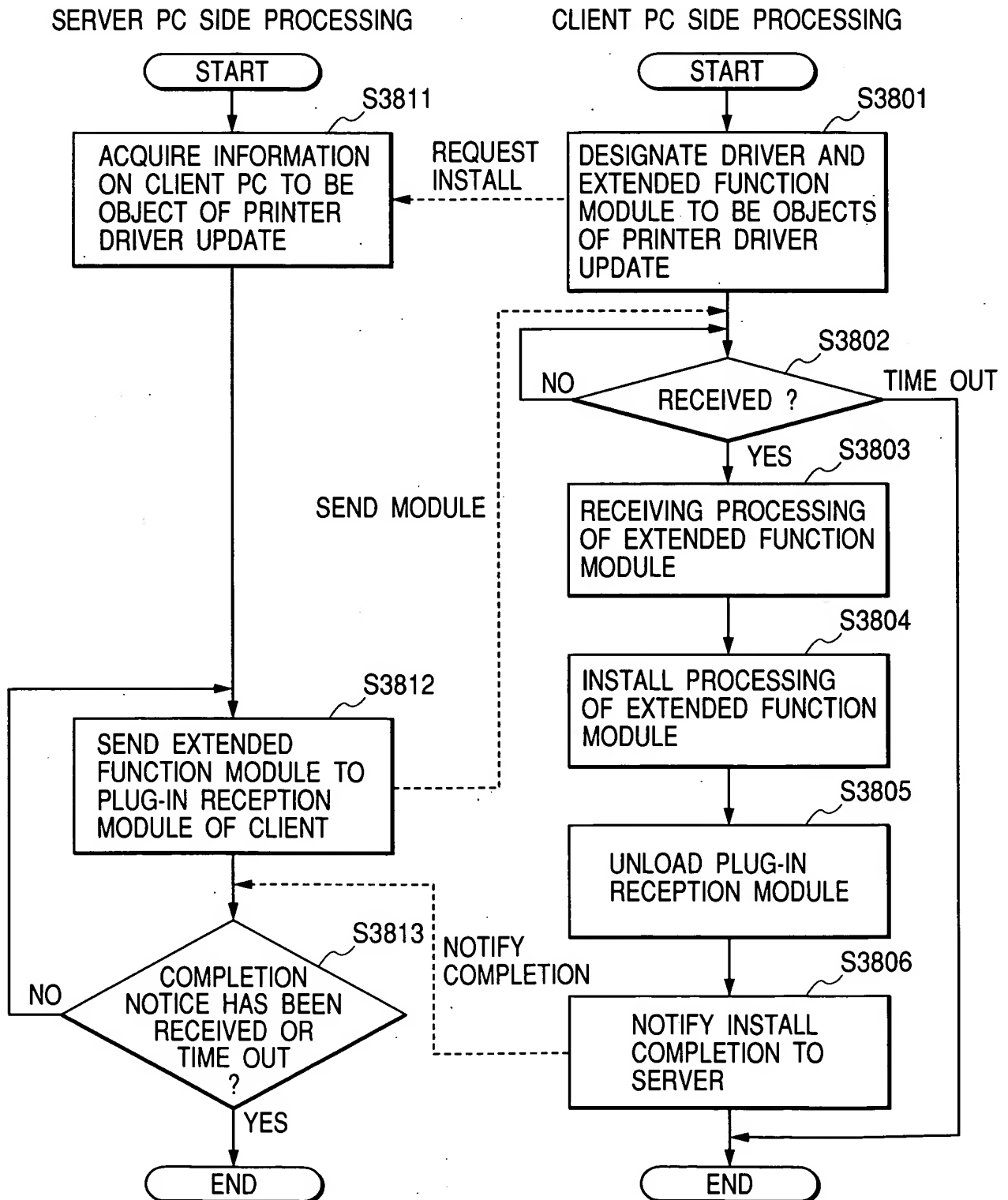
EXTENDED FUNCTION MODULE F

INSTALL

CLOSE

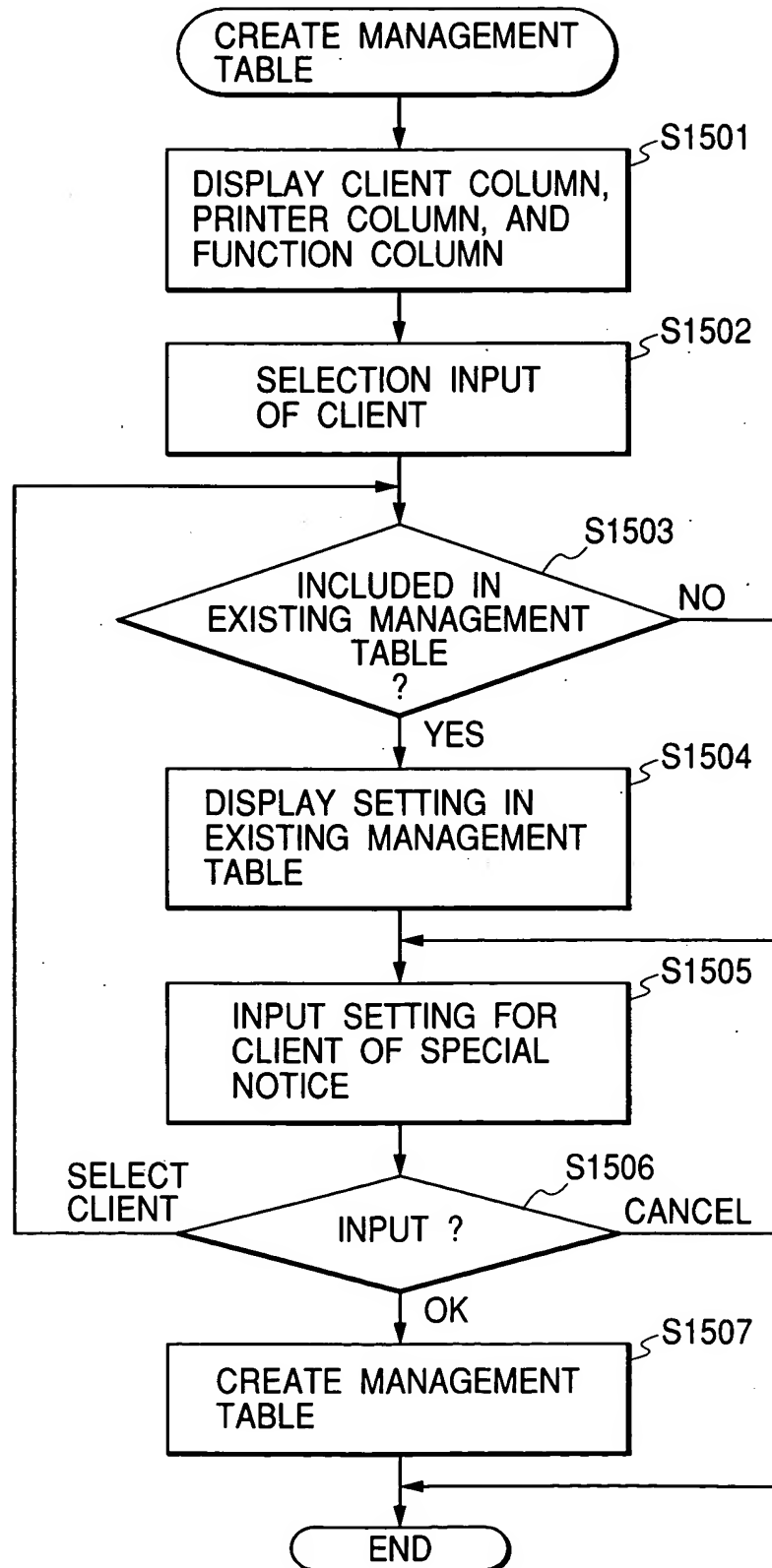
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FIG. 38



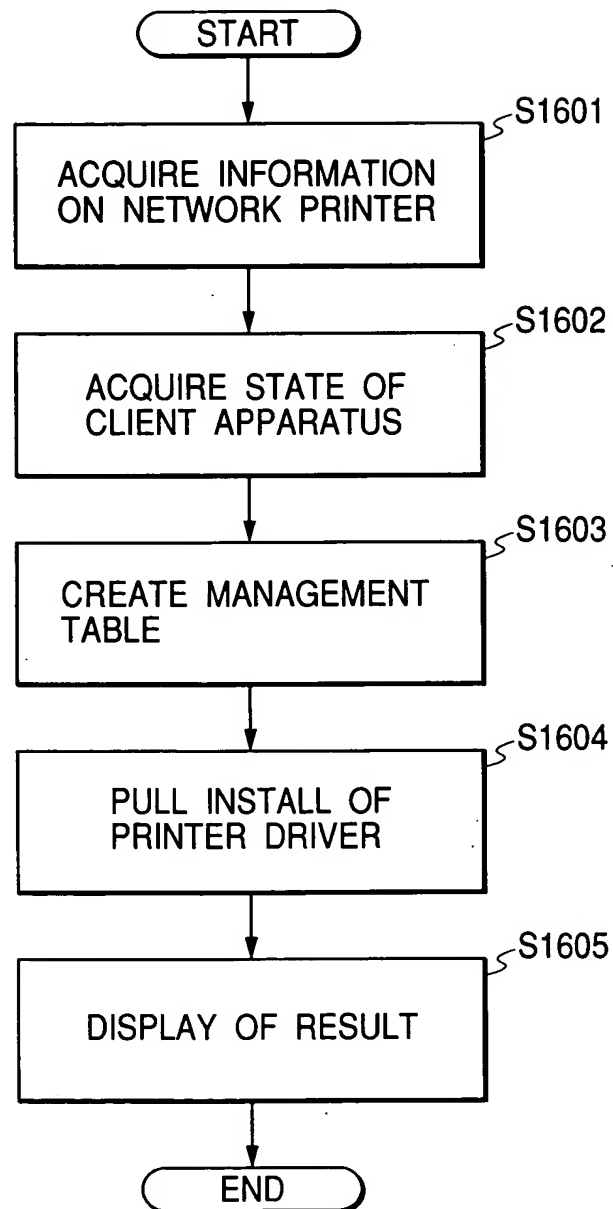
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FIG. 39



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FIG. 40



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FIG. 41

